



STATUS OF NEW REACTOR ISSUES

August 22, 2007

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Executive Director for Operations

Agenda

- Overview of New Reactor Status
- Program Activities
- Reviewer Activities
- Stakeholder Interface

New Reactor Licensing Applications (Site and Technology Selected)

An estimated schedule by Fiscal Year

2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
AP1000 Program Review			<div>DC Amendment</div> <div> <div>Design Cert</div> <div> <div>TVA – Bellefonte (AL) (2)</div> <div>Progress Energy - Harris (NC) (2)</div> <div>Duke – Lee Station (SC) (2)</div> <div>South Carolina F&G-Summer (2)</div> <div>Progress Energy–Levy County (FL) (2)</div> <div>Vogtle ESP</div> <div>Southern – Vogtle (GA) (2)</div> </div> </div> <div> <div>Hearing</div> <div>Hearing</div> <div>Hearing</div> <div>Hearing</div> <div>Hearing</div> <div>Hearing</div> <div>Hearing</div> </div>						
ESBWR Program Review			<div>Design Certification</div> <div> <div>North Anna ESP</div> <div>Grand Gulf ESP</div> <div> <div>Dominion - North Anna (VA) (1)</div> <div>Entergy – Grand Gulf (MS) (1)</div> <div>Entergy – River Bend (LA) (1)</div> </div> </div> <div> <div>Hearing</div> <div>Hearing</div> <div>Hearing</div> <div>Hearing</div> <div>Hearing</div> </div>						
EPR Program Review			<div>Design Certification</div> <div> <div>UniStar-Calvert Cliffs (MD) (1)</div> <div>UniStar-Nine Mile Pt (NY) (1)</div> <div>AmerenUE – Callaway (1)</div> <div>PPL Generation – Susquehanna (1)</div> <div>Amarillo Power (TX) (2)</div> <div>Alternate Energy Holdings (ID) (1)</div> </div> <div> <div>Hearing</div> <div>Hearing</div> <div>Hearing</div> <div>Hearing</div> <div>Hearing</div> <div>Hearing</div> </div>						
ABWR Program Review			<div>NRG Energy–South Texas Project (2)</div> <div>Hearing</div>						
USAPWR Program Review			<div>DC – Mitsubishi USAPWR</div> <div>TXU Power –Comanche Peak (TX) (2)</div> <div>Hearing</div>						

* Schedules depicted for future activities represent nominal assumed review durations based on submittal time frames in letters of intent from prospective applicants. Actual schedules will be determined when applications are docketed.

Legend:

- Design Certification
- Early Site Permit
- Combined License
- Hearing

Post SER/EIS Hearing (other hearing activities occur during ESP/COL safety and environmental reviews)
Number in () next to COL name indicate number of units/site.

8/14/07

New Reactor Licensing Applications (Site or Technology TBD)

An estimated schedule by Fiscal Year

2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
AP1000 Program Review							<p>* Schedules depicted for future activities represent nominal assumed review durations based on submittal time frames in letters of intent from prospective applicants. Actual schedules will be determined when applications are docketed.</p>		
ESBWR Program Review									
EPR Program Review							<p>Legend:</p> <p>Design Certification</p> <p>Early Site Permit</p> <p>Combined License</p> <p>Hearing Post SER/EIS Hearing (other hearing activities occur during ESP/COL safety and environmental reviews)</p> <p>Number in () next to COL name indicate number of units/site.</p>		
ABWR Program Review									
USAPWR Program Review									
Unspecified							<p>Clinton ESP Hearing</p> <p>Duke ESPs (2) Hearing</p> <p>Unannounced Applicant ESP Hearing</p> <p>Florida P&L – Site and Vendor - TBD Hearing</p> <p>Exelon Texas - Site and Vendor TBD Hearing</p> <p>DTE – Fermi - Vendor TBD Hearing</p> <p>Submittal Dates TBD</p>		

6/25/07

Infrastructure

- Contracting
- Licensing Program Plan
- Safety Evaluation Report Templates
- Rulemaking
 - Limited Work Authorization
 - Part 52
 - Security

Pre-application Activities

- Outreach Meetings
- Quality Assurance Audits
- Pre-application Site Visits
- Pre-application Reviews and Interactions
 - Topical Reports
 - Design Centered Working Group Meetings

Reviewer Tools

- Acceptance Review Process
- Regulatory Guides/Standard Review Plan
- Technical Consistency Office Instruction
- Knowledge Management tools (e.g., Wizard)

Ongoing Technical Reviews

- Design Certifications
- Early Site Permits
- Pre-Application Activities
 - Technical Reports
 - Early Engagement on Long Lead Time Items

Continued Focus Areas

- Resources
 - Critical skills-Hiring
 - Staff Development
 - Contracts
- Technical Issues
 - Digital Instrumentation and Controls
 - Seismic
 - Inspections, Tests, Analyses, and Acceptance Criteria
 - Emerging Issues

Security

- Interactions
 - External: Department of Homeland Security, the public, industry, and vendors
- Readiness
 - Licensing
 - Schedule input
 - Staffing

Emergency Planning

- Interactions
 - External: Federal Emergency Management Agency, the public, industry
- Readiness
 - Regulations & Guidance updated
 - Schedule
 - Staffing

Government to Government Interactions

- Federal
- State
- Local
- Tribal

Public Outreach Efforts

- Public Outreach Meetings
- Environmental Scoping Meetings
- Draft Environmental Impact Statement
- Technical Meetings
- Workshops

International Communications

- Multinational Design Evaluation Program
- Bi-lateral Meetings
- Interactions with Chinese Regulatory Agency

Conclusion

- Significant accomplishments
- Productive pre-application activities
- Enhancing program management
- Planning for contingencies